

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102418\
 Data File : VL032690.D
 Acq On : 24 Oct 2018 16:48
 Operator : SY/AP
 Sample : J5164-14 0.06 LOQ
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2018

Manual Integrations
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 10/26/2018 3:39:48 PM

Quant Time: Oct 25 05:43:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Oct 25 05:43:39 2018
 QLast Update : Thu Oct 25 05:15:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1535453	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3549911	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3491085	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2596490	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.31	62	5073m	0.070	ppbv	
32) 1,1,1-Trichloroethane	6.63	97	17061m	0.068	ppbv	
35) Carbon Tetrachloride	7.15	117	18490m	0.073	ppbv	
38) Trichloroethene	7.97	130	6590m	0.062	ppbv	
52) Tetrachloroethene	11.39	164	6109m	0.061	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.86	83	18453m	0.068	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

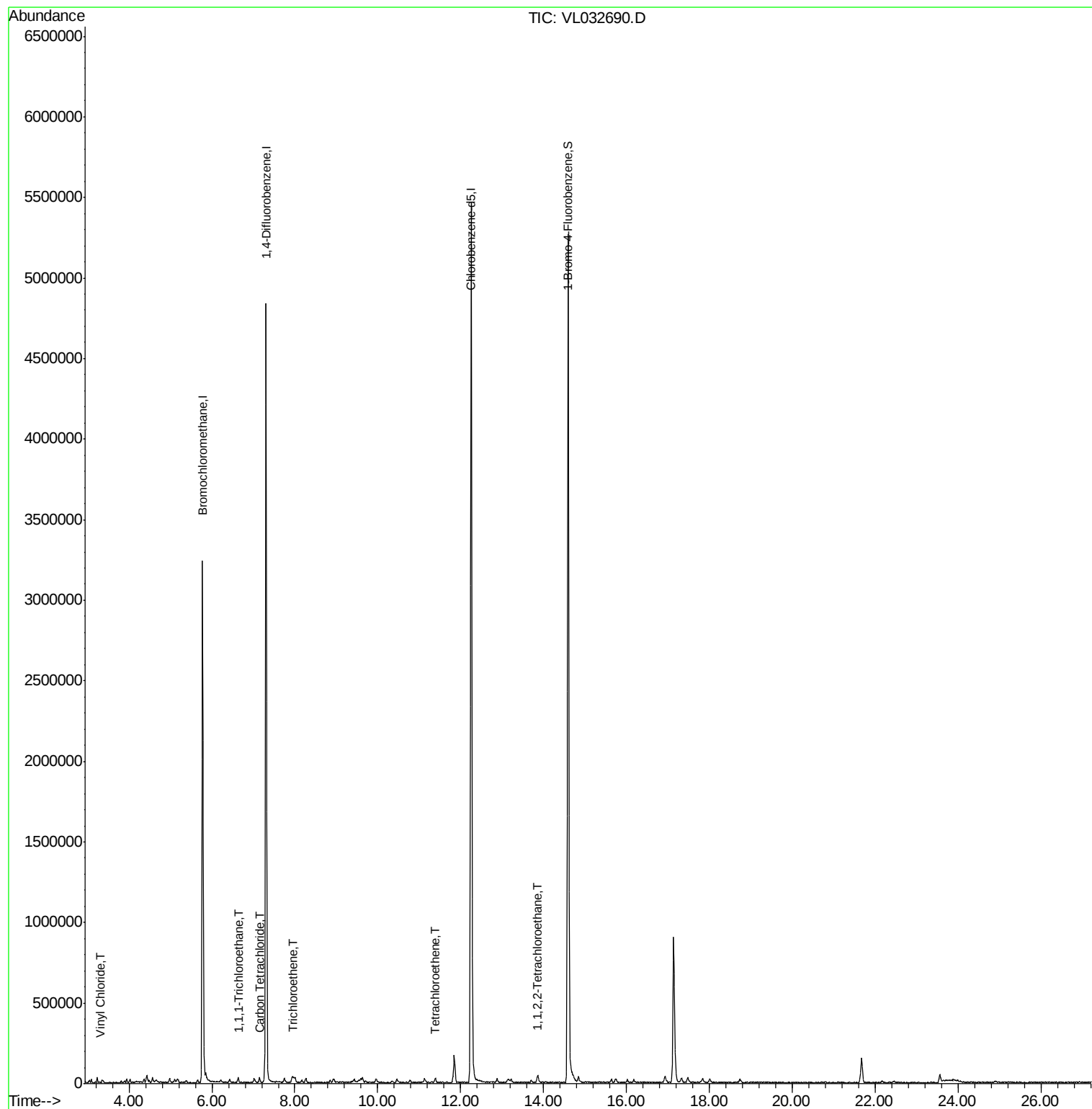
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL102418\
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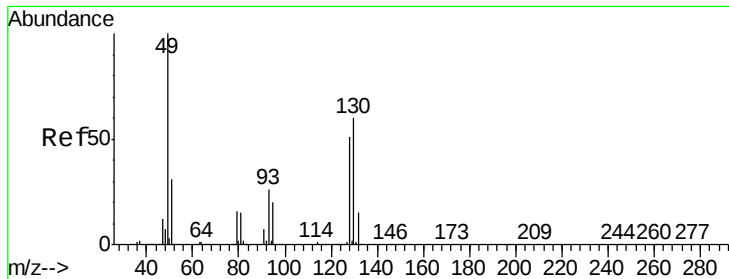
Instrument :
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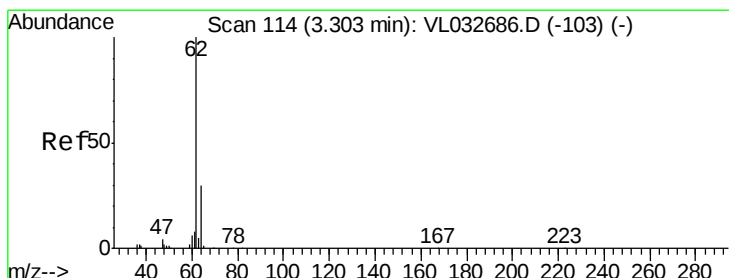
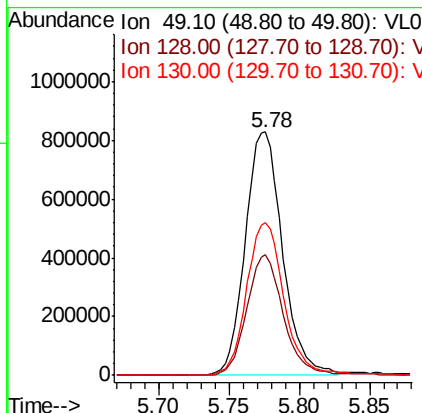
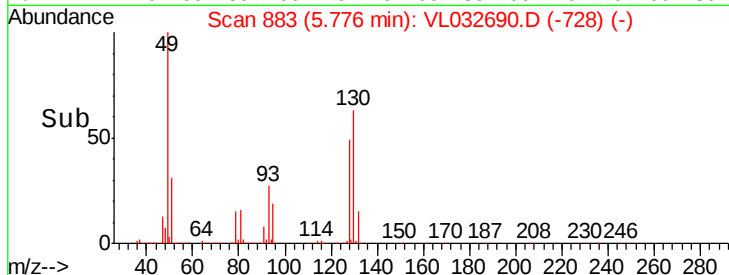
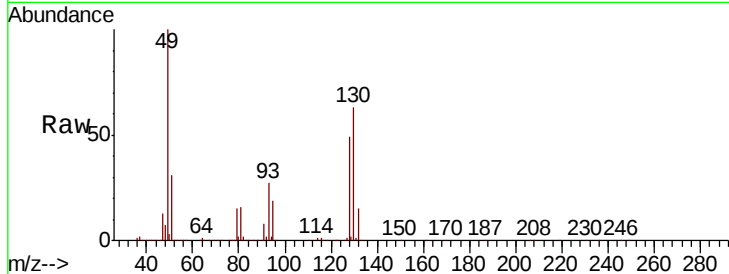
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.78 min Scan# 883
 Delta R.T. -0.00 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2018

Tgt Ion:	49	Resp:	1535453
Ion	Ratio	Lower	Upper
49	100		
128	49.3	22.3	66.8
130	63.6	28.4	85.3

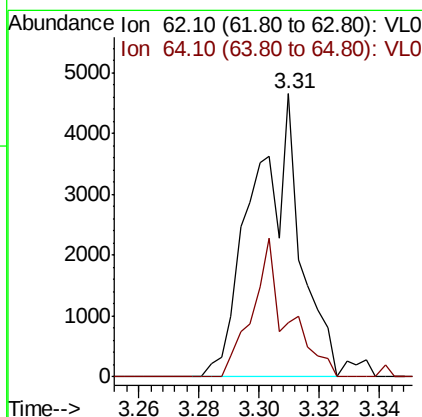
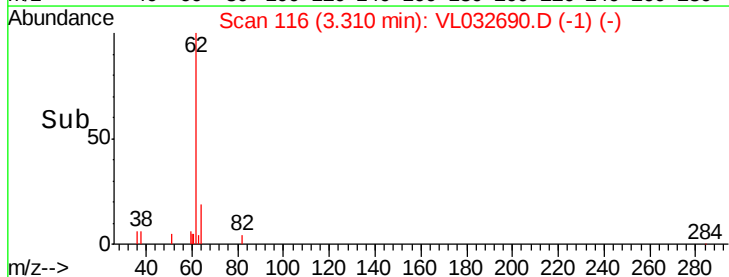
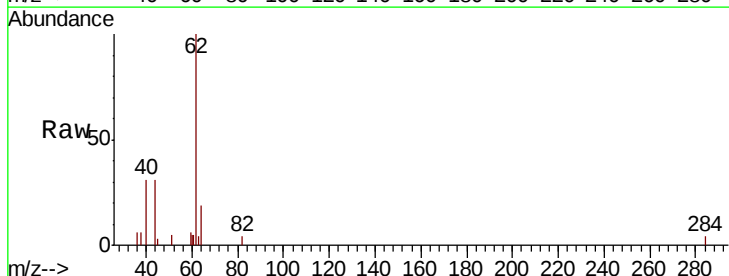
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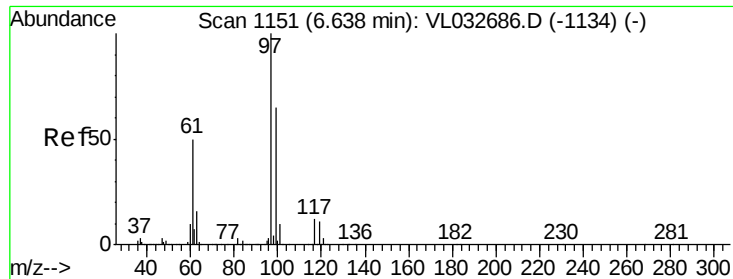
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#5
 Vinyl Chloride
 Concen: 0.070 ppbv m
 RT: 3.31 min Scan# 116
 Delta R.T. 0.01 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

Tgt Ion:	62	Resp:	5073
Ion	Ratio	Lower	Upper
62	100		
64	19.3	25.5	38.3#





#32

1,1,1-Trichloroethane

Concen: 0.068 ppbv m

RT: 6.63 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

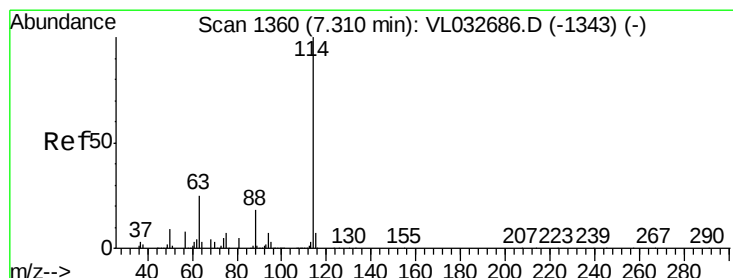
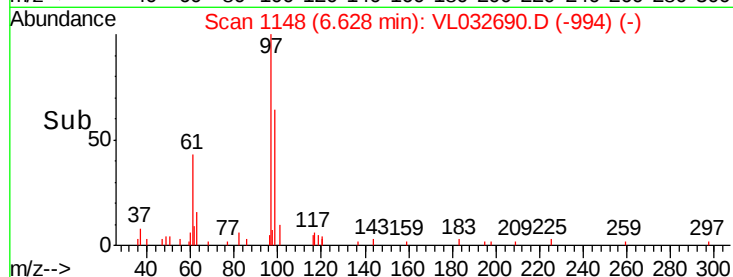
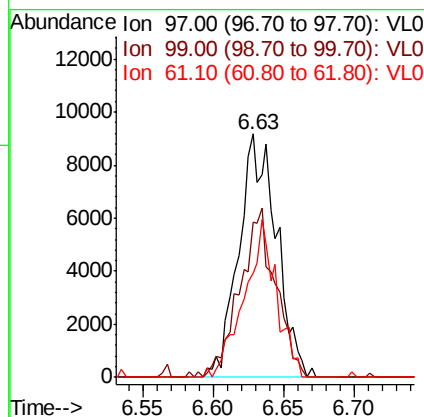
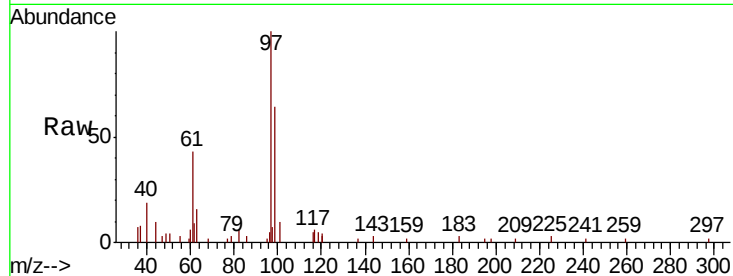
ClientSampleId :

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Tgt Ion:	97	Resp:	17061
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.0	78.0#
61	0.0	40.7	61.1#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

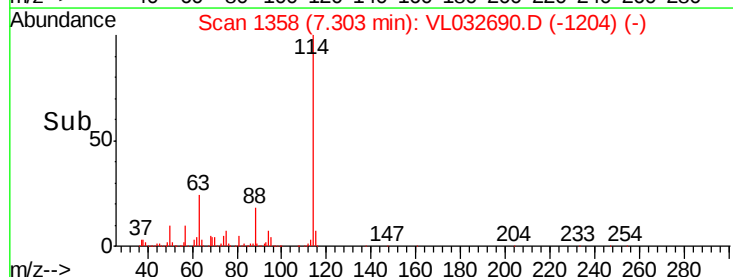
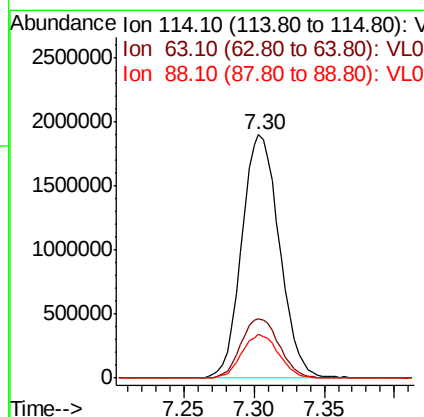
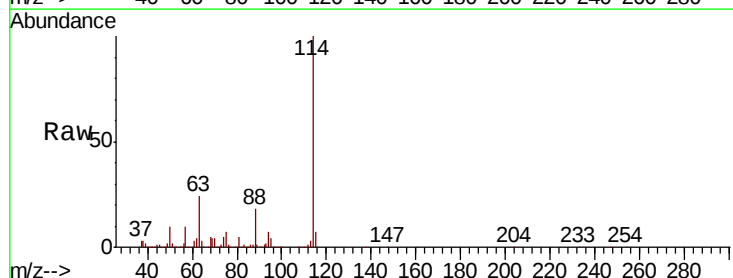
RT: 7.30 min Scan# 1358

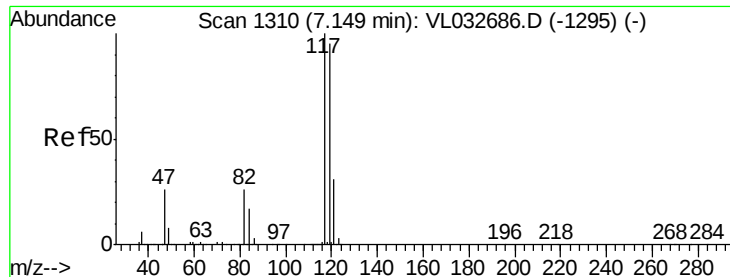
Delta R.T. -0.01 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Tgt Ion:	114	Resp:	3549911
Ion Ratio	Lower	Upper	
114	100		
63	24.9	21.7	32.5
88	17.7	14.9	22.3





#35

Carbon Tetrachloride

Concen: 0.073 ppbv m

RT: 7.15 min Scan# 1310

Delta R.T. 0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

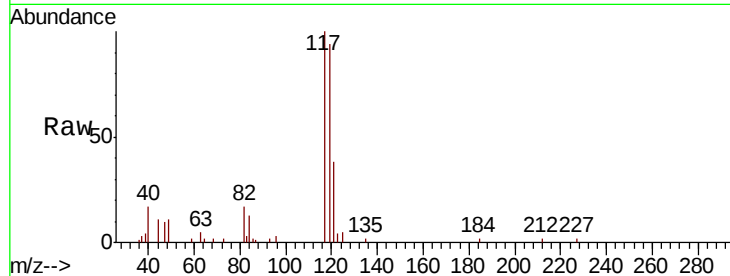
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LOQ-AIR-02-QT4-2018

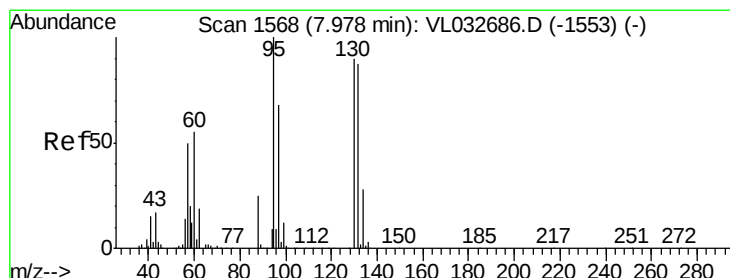
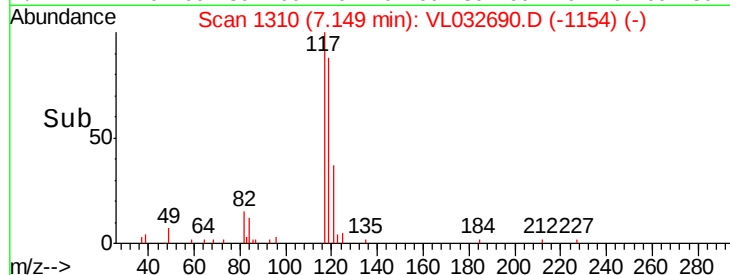
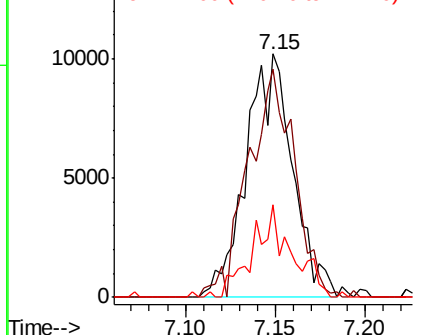
Tgt Ion:	117	Resp:	18490
Ion Ratio	Lower	Upper	
117	100		
119	93.5	75.7	113.5
121	38.3	24.7	37.1#

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#38

Trichloroethene

Concen: 0.062 ppbv m

RT: 7.97 min Scan# 1565

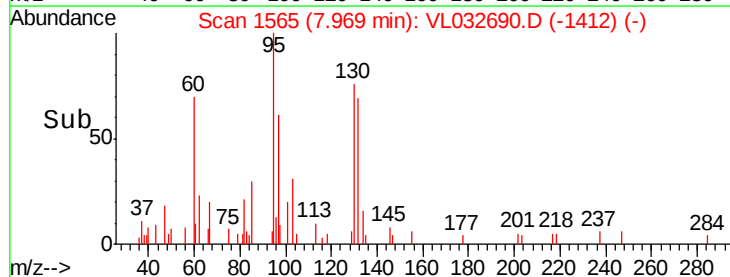
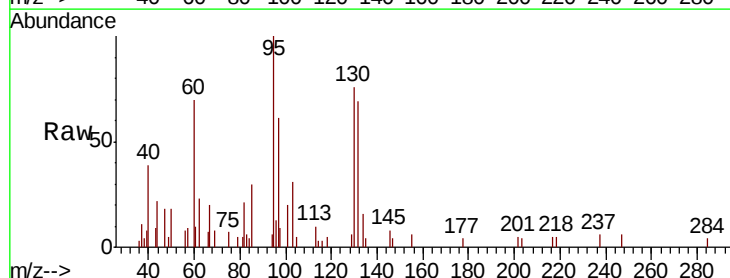
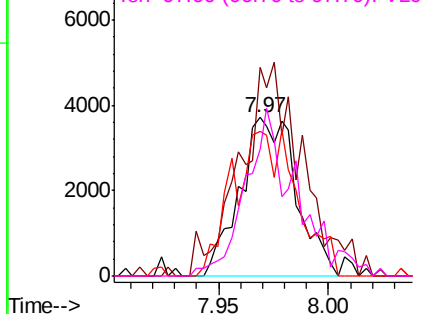
Delta R.T. -0.01 min

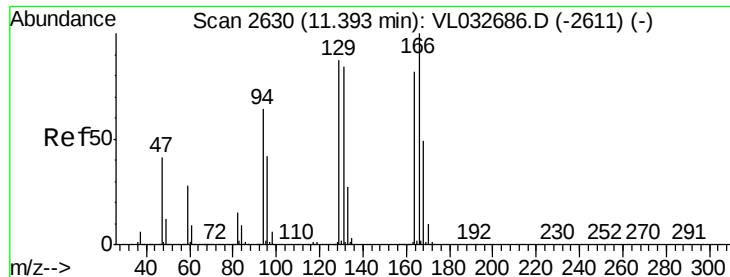
Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Tgt Ion:	130	Resp:	6590
Ion Ratio	Lower	Upper	
130	100		
95	131.3	93.4	140.0
132	91.1	76.5	114.7
97	80.3	60.2	90.2

Abundance Ion 130.00 (129.70 to 130.70): V
Ion 95.00 (94.70 to 95.70): VL0
Ion 132.00 (131.70 to 132.70): V
Ion 97.00 (96.70 to 97.70): VL0





#52

Tetrachloroethene

Concen: 0.061 ppbv m

RT: 11.39 min Scan# 2629

Delta R.T. -0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Instrument :

MSVOA_L

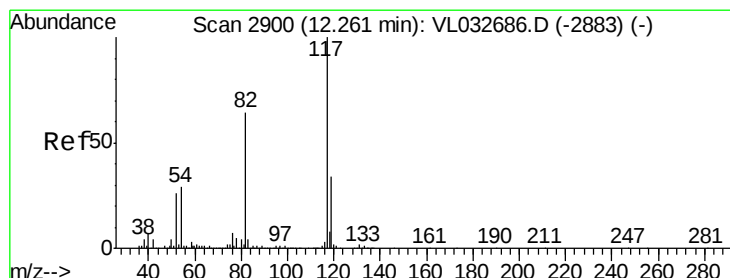
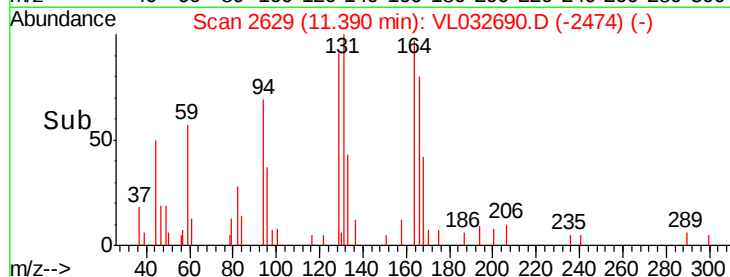
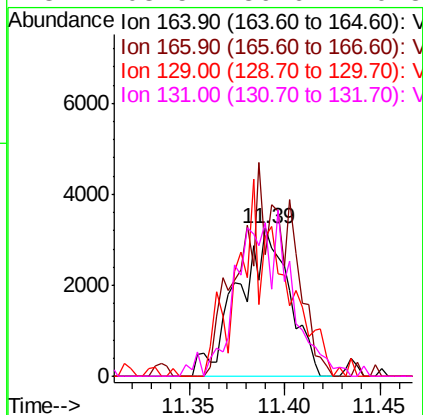
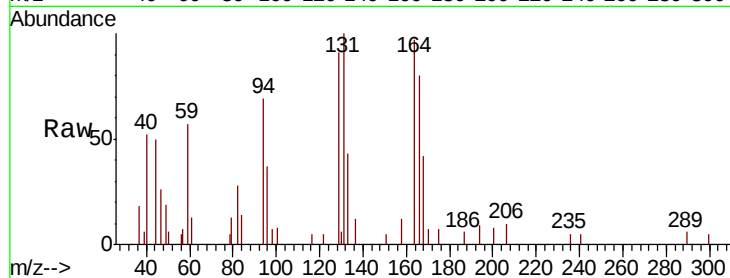
ClientSampleId :

LOQ-AIR-02-QT4-2018

Tgt Ion:	164	Resp:	6109
Ion Ratio	Lower	Upper	
164	100		
166	82.4	100.5	150.7#
129	94.3	90.0	135.0
131	103.5	86.6	129.8

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

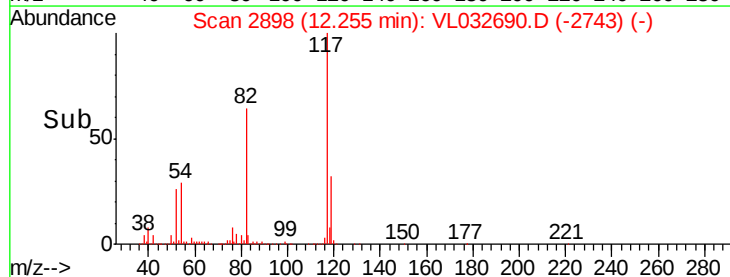
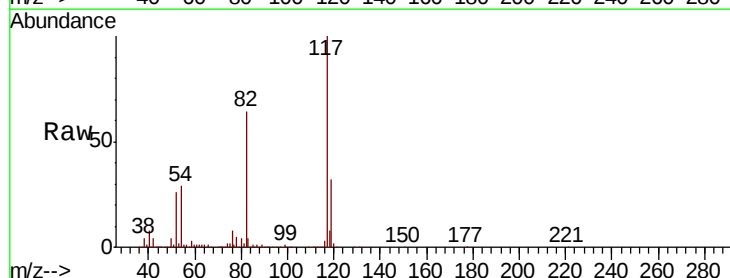
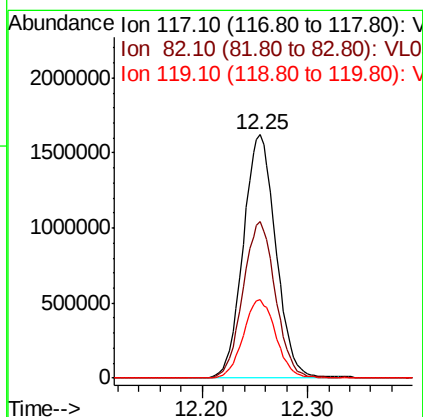
RT: 12.25 min Scan# 2898

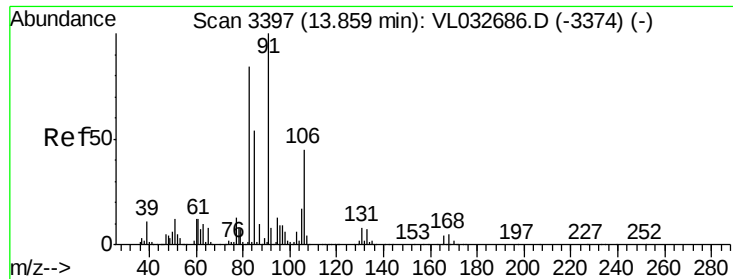
Delta R.T. -0.00 min

Lab File: VL032690.D

Acq: 24 Oct 2018 16:48

Tgt Ion:	117	Resp:	3491085
Ion Ratio	Lower	Upper	
117	100		
82	64.3	52.7	79.1
119	32.6	26.7	40.1





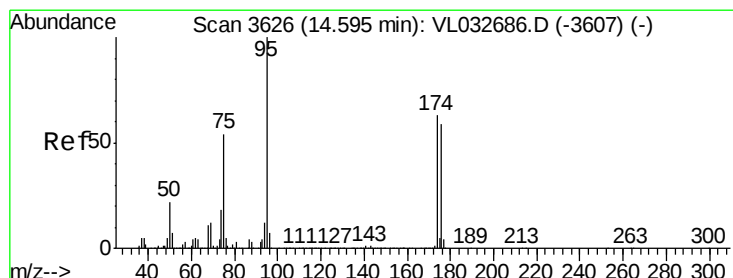
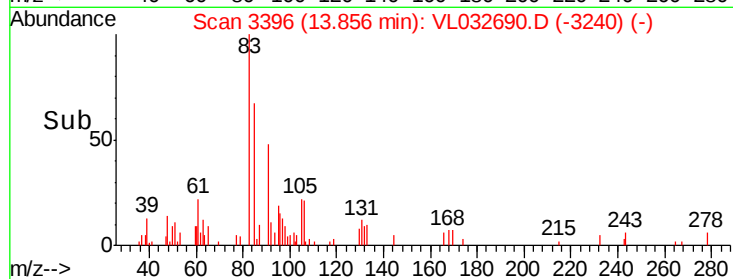
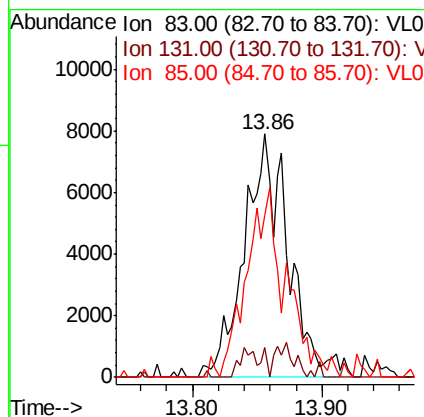
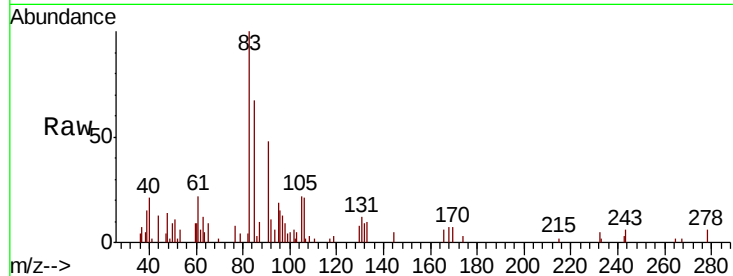
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.068 ppbv m
 RT: 13.86 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

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Tgt Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.3	12.9#
85	73.8	32.3	96.9

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.989 ppbv
 RT: 14.59 min Scan# 3624
 Delta R.T. -0.00 min
 Lab File: VL032690.D
 Acq: 24 Oct 2018 16:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.3	46.0	69.0
175	4.5	3.4	5.0

